

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	92	(381/303).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/07/18 20:45
L2	983	(381/304-310).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/07/18 20:45
L3	2063	(381/56-59).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/07/18 20:45
L4	1	("20060153391").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/07/18 21:02
L5	1	L4 and surround	US-PGPUB; USPAT	OR	OFF	2009/07/18 21:02
S1	83	(381/303).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 17:45
S2	13	takumai.in. and \$4speaker near20 array near20 beam\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 17:50
S3	1	EP-1224037-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:12
S4	0	WO-2001023104-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:15
S5	0	WO-20010023104-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:16
S6	0	WO-01023104-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:16

S7	0	WO-01023104-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2008/09/12 18:34
S8	75	yamaha.AS. and \$4speaker near20 array near20 beam\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:34
S9	18	yamaha.AS. and \$4speaker near20 array near20 beam\$1 near20 (microphone\$1 sensor \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:35
S10	24	yamaha.AS. and (\$4speaker near20 array near20 beam\$1) and (microphone\$1 sensor \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:36
S11	26	"381"/\$.ccls. and (\$4speaker near20 array near20 beam\$1) and (microphone\$1 sensor \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:38
S12	165	"381"/\$.ccls. and (\$4speaker\$1 near20 beam\$1) and (microphone\$1 sensor \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:41
S13	6	"381"/\$.ccls. and (\$4speaker\$1 near20 beam\$1) and (microphone\$1 sensor \$1) and (angle\$1 near20 (peak\$1 top height))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:42
S14	1913	(381/56-59).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:50
S15	904	(381/304-310).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:50
S16	10	"381"/\$.ccls. and (\$4speaker\$1 near20 beam\$1) and (microphone\$1 sensor \$1) and (angle\$1 near20 output)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/12 18:52

S17	3	"381"/\$.ccls. and (\$4speaker near20 array near20 beam\$1) and (microphone\$1 sensor \$1) and (test near4 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/02 18:05
S18	1	takumai.in. and (\$4speaker near20 array near20 beam\$1) and sweep\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/03 09:10
S19	5	"381"/\$.ccls. and (beam \$1 near20 sweep\$3) and ((microphone\$1 sensor \$1) near20 \$4speaker\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/05 08:25
S20	1	"381"/\$.ccls. and (select \$3 choos\$3) near10 (plurality number) near10 (peaks summits heights maximums) near10 test	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/05 08:46
S21	23	"381"/\$.ccls. and (beam \$1 near20 (turn\$3 sweep \$3)) and ((microphone\$1 sensor\$1) near20 \$4speaker\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/12/05 09:20
S22	2042	(381/56-59).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/29 11:48
S23	977	(381/304-310).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/29 11:48
S24	91	(381/303).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/29 11:48
S25	11	"381"/\$.ccls. and (beam \$1 near10 test\$3) and ((microphone\$1 sensor \$1) near20 \$4speaker\$1) and sweep\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/29 14:06
S26	2	S25 and (sweep near5 angle near5 (peak limit)) and (center near5 channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/29 14:35

S27	0	"381"/\$.ccls. and (beam \$1 near10 test\$3 near10 correspond\$3) and ((microphone\$1 sensor \$1) near20 \$4speaker\$1) and sweep\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 11:10
S28	4	"381"/\$.ccls. and (beam \$1 near10 test\$3) and ((microphone\$1 sensor \$1) near20 \$4speaker\$1) and sweep\$3 and correspond\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 11:10
S29	5	"381"/\$.ccls. and beam \$1 and (number near10 peak\$1 near10 (less small \$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 11:12
S30	1	"381"/\$.ccls. and (beam \$1 near10 output near10 angle) and (user near10 chang\$3 near10 listening near10 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 11:16
S31	5	"381"/\$.ccls. and (beam \$1) and (angle\$1 near10 symmetric) and (locali \$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 11:21
S32	22	"381"/\$.ccls. and (beam \$1 and angle\$1 and symmetric and locali\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 11:22
S33	2	"381"/\$.ccls. and beam \$1 and (installat\$3 near10 position near10 information) and (\$4speak\$2 near10 array) and peak\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 11:28
S34	1	"381"/\$.ccls. and beam \$1 and (test\$3 near10 sweep\$3 near10 modulat \$3 near10 (envelope peak))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 11:48
S35	1	"381"/\$.ccls. and (beam \$1 near10 correlat\$3 near10 band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 11:50
S36	2	"381"/\$.ccls. and (beam \$1 near20 sweep\$3) and ((microphone\$1 sensor \$1) near20 \$4speaker\$1) and (center near10 channel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 11:55

S37	1	"381"/\$.ccls. and (beam \$1 near10 based near10 install\$5 near10 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 16:11
S38	1	"381"/\$.ccls. and (beam \$1 near10 based near10 install\$5 near10 position) and direct\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 16:11
S39	1	"381"/\$.ccls. and (beam \$1 near10 no near10 correlat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/07/01 10:30

**7/18/2009 9:09:57 PM**

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